

REMARKS/ARGUMENTS

Applicant respectfully requests reconsideration and allowance of the subject application.

Claims 1-63 were originally submitted.

Claims 11, 15, 22, 26, 27, 29, 32, 44, 48, 54, 59 and 60 are amended.

No claims are cancelled.

Claims 1-63 remain in this application.

35 U.S.C. §112

Claim 26 is rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The Action states “Claim 26 recites the following limitation ‘the recorded signal’, which appears to lack antecedent basis. Claim 26 has been amended to depend from claim 24. Amended claim 26 finds proper antecedent basis as to “the recorded signal” found in claim 24. Accordingly, Applicant respectfully requests that the §112 rejection of claim 26 be withdrawn.

1 **35 U.S.C. §102**

2 Claims 1-3, 16, 23, 33, 35-37, 49, 55-57, 61 are rejected under 35 U.S.C.
3 §102(e) as being anticipated by U.S. Published Application 2004/0004912 to
4 Morishima (Morishima). Applicant respectfully traverses the rejection.

5 Morishima describes an objective lens held by a focus actuator and a
6 tracking actuator so that the objective lens can move in the direction of the optical
7 axis of a laser beam and the direction of the radius of an optical disk. The focus
8 actuator and the tracking actuator move the objective lens in the direction of the
9 optical axis and the direction of the radius in response to a focus error signal and a
10 tracking error signal. If the laser beam is irradiated on a recording face of the
11 optical disk, the servo circuit generates the focus error signal and the tracking error
12 signal based on a received light signal supplied through a light-receiving element
13 and the RF amplifier, so that the objective lens is moved, thereby performing
14 focus control and tracking control or feedback control. (Paragraph 46 of
15 Morishima).

16 When a visible image is formed on the optical disk, unlike when recording
17 is performed on the recording face, it is unnecessary to trace irradiation positions
18 along the preformed groove (guide groove) or the like. Therefore, in the
19 embodiment, the target value for tracking control is fixed. In other words when
20 forming an image on the disk, there is a constant offset voltage set for the tracking
21 actuator. (Paragraph 49 of Morishima).

1 **Independent claim 1** for example, recites “[a] processor-readable medium
2 comprising processor-executable instructions for focusing optics, the processor-
3 executable instructions comprising instructions for:

4 generating a data profile, wherein the data profile is configured to provide signals for operation of an actuator, wherein the signals result in focus of the optics on a label region of an optical disc; and

5 printing an image on the label region of the optical disc while focusing the optics by applying signals to the actuator according to the data profile.

6 The Action argues that “Morishima discloses a processor-readable medium
7 comprising processor-executable instructions for focusing optics (paragraph
8 [0063]), the processor-executable instructions comprising instructions for
9 generating a data profile (e.g., contents of the focus control), wherein the data
10 profile is configured to provide signals for operation of an actuator, wherein the
11 signals result in focus of the optics on a label region of an optical disc (paragraph
12 [0072], and printing an image on the label region of the optical disc while focusing
13 the optics by applying signals to the actuator according to the data profile
14 (paragraphs [0078]-[0079])”.

15 The Action particularly argues that “focus control” described in Morishima
16 is the same as “data profile” as recited in claim 1. The focus control described in
17 Morishima is directed to the movement of the focus actuator taught in Morishima.
18 As discussed above, Morishima teaches that there are separate and distinct focus
19 control and tracking control. Focus control directed to movement of the objective
20 lens the direction of the optical axis of the laser beam, and tracking control
21 directed in the direction of the radius of an optical disk.
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1 Data profile as particularly described in paragraph 21 of the application,
2 includes associating a variety of locations on a disc. Therefore, the “focus
3 control” as taught in Morishima is not “data profile” as argued by the Action,
4 since “focus control” in Morishima does not include location information.

5 Morishima does not show or teach each and every element of claim 1.
6 Accordingly, Applicant respectfully requests that the §102 rejection of claim 1 be
7 withdrawn.

8 **Dependent claims 2, 3 and 16** depend on claim 1, and are allowable at the
9 least by virtue of their dependency on base claim 1. Applicant respectfully
10 requests that the §102 rejection of claims 2, 3 and 16 be withdrawn.

11 **Independent claim 23** recites “generating a data look-up table, wherein the
12 data look-up table provides signal levels for operation of an actuator which result
13 in focus of the optics on a plurality of locations within a label region of an optical
14 disc”.

15 The Action argues that RAM described in Morishima at paragraph 76
16 teaches a “data lookup table”; however, there is no mention of a “data lookup
17 table” in paragraph 76 or anywhere in Morishima. The Action makes the
18 assumption that the RAM taught in Morishima can include a “data lookup table”,
19 which is not correct. Paragraph 76 particularly states that “inner focus control is
20 in RAM” and describes Fig. 15 that shows a dot-dash line represented of focus
21 control that is associated with a clock pulse. In other words, the focus control
22 information is derived from the clock pulse. This is different than a “data lookup
23 table”. Furthermore, as discussed above, “focus control” described in Morishima
24 does not include multiple locations of a disk. A “data lookup table” is directed to
25 multiple locations (See paragraph 66 and Fig. 6B of the application).

1 Morishima does not show or teach each and every element of claim 23.
2 Accordingly, Applicant respectfully requests that the §102 rejection of claim 23 be
3 withdrawn.

4 **Dependent claims 33** depends on claim 23, and is allowable at the least by
5 virtue of its dependency on base claim 23. Applicant respectfully requests that the
6 §102 rejection of claim 33 be withdrawn.

7 **Independent claim 35** recites “logic configured for generating a data
8 profile, wherein the profile is configured to provide signals for operation of an
9 actuator, wherein the signals result in focus of the optics on a label region of an
10 optical disc”.

11 The Action rejects claim 35 based on similar reasons as claim 1. Applicant
12 asserts the arguments in support of claim 1, in support of claim 35. Morishima
13 does not show or teach each and every element of claim 35. Accordingly,
14 Applicant respectfully requests that the §102 rejection of claim 35 be withdrawn.

15 **Dependent claims 36, 37 and 49** depend on claim 35, and are allowable at
16 the least by virtue of their dependency on base claim 35. Applicant respectfully
17 requests that the §102 rejection of claims 36, 37 and 49 be withdrawn.

18 **Independent claim 55** recites “means for generating a data profile,
19 wherein the data profile is configured to provide signals for operation of an
20 actuator, wherein the signals result in focus of the optics on a label region of an
21 optical disc”.

22 The Action rejects claim 55 based on similar reasons as claim 1. Applicant
23 asserts the arguments in support of claim 1, in support of claim 55. Morishima
24 does not show or teach each and every element of claim 55. Accordingly,
25 Applicant respectfully requests that the §102 rejection of claim 55 be withdrawn.

1 **Dependent claims 56, 57 and 61** depend on claim 55, and are allowable at
2 the least by virtue of their dependency on base claim 55. Applicant respectfully
3 requests that the §102 rejection of claims 56, 57 and 61 be withdrawn.

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5 **35 U.S.C. §103**

6 Claims 6, 8-9, 24, 26, 28, 40-41, 43, 58 are rejected under 35 U.S.C.
7 §103(a) as being unpatentable over Morishima in view of U.S. Patent No.
8 6,829,203 to Yonezawa et al (Yonezawa). Applicant respectfully traverses the
9 rejection.

10 **Dependent claims 6, 8 and 9** depend from claim 1 and therefore include
11 the element “generating a data profile, wherein the data profile is configured to
12 provide signals for operation of an actuator, wherein the signals result in focus of
13 the optics on a label region of an optical disc”. The Action argues that Morishima
14 teaches this element; however, as discussed above in support of claim 1,
15 Morishima fails to teach the use of “a data profile”. In particular, the Action
16 argues that “focus control” taught in Morishima is the same as “data profile”
17 which as presented by the Applicant is not correct, since data profile is directed to
18 multiple locations on a disk and focus control is not.

19 The Action relies on Yonezawa for teaching applying an AC signal to an
20 actuator in rejecting claims 6, 8 and 9; however, Morishima does not teach the
21 elements of claim 1, from which claims 6, 8 and 9 depend. Therefore, Yonezawa
22 provides no assistance in light of Morishima as to claims 6, 8 and 9. Since
23 Morishima does not teach the elements discussed above, the teaching of
24 Yonezawa do not help. Accordingly, a combination of Morishima and Yonezawa

1 is improper. Applicant respectfully requests that the §103 rejection of claims 6, 8
2 and 9 be withdrawn.

3 **Dependent claims 24, 26 and 28** depend from claim 23 and therefore
4 include the element “generating a data look-up table, wherein the data look-up
5 table provides signal levels for operation of an actuator which result in focus of the
6 optics on a plurality of locations within a label region of an optical disc”. The
7 Action argues that Morishima teaches this element; however, as discussed above
8 in support of claim 23, Morishima fails to teach the use of a “data lookup table”.
9 In particular, the Action argues that “RAM” taught in Morishima includes a “data
10 lookup table” which as presented by the Applicant is not taught or suggested by
11 Morishima.

12 The Action relies on Yonezawa for teaching applying an AC signal to an
13 actuator in rejecting claims 24, 26 and 28; however, Morishima does not teach the
14 elements of claim 23, from which claims 24, 26 and 28 depend. Therefore,
15 Yonezawa provides no assistance in light of Morishima as to claims 24, 26 and 28.
16 Since Morishima does not teach the elements discussed above, the teaching of
17 Yonezawa do not help. Accordingly, a combination of Morishima and Yonezawa
18 is improper. Applicant respectfully requests that the §103 rejection of claims 24,
19 26 and 28 be withdrawn.

20 **Dependent claims 40, 41 and 43** depend from claim 35 and therefore
21 include the element “logic configured for generating a data profile, wherein the
22 profile is configured to provide signals for operation of an actuator, wherein the
23 signals result in focus of the optics on a label region of an optical disc”. The
24 Action argues that Morishima teaches this element; however, as discussed above
25 in support of claim 35, Morishima fails to teach the use of “a data profile”. In

1 particular, the Action argues that “focus control” taught in Morishima is the same
2 as “data profile” which as presented by the Applicant is not correct, since data
3 profile is directed to multiple locations on a disk and focus control is not.

4 The Action relies on Yonezawa for teaching applying an AC signal to an
5 actuator in rejecting claims 40, 41 and 43; however, Morishima does not teach the
6 elements of claim 35, from which claims 40, 41 and 43 depend. Therefore,
7 Yonezawa provides no assistance in light of Morishima as to claims 40, 41 and 43.
8 Since Morishima does not teach the elements discussed above, the teaching of
9 Yonezawa do not help. Accordingly, a combination of Morishima and Yonezawa
10 is improper. Applicant respectfully requests that the §103 rejection of claims 40,
11 41 and 43 be withdrawn.

12 **Dependent claim 58** depends from claim 55 and therefore includes the
13 element “means for generating a data profile, wherein the data profile is
14 configured to provide signals for operation of an actuator, wherein the signals
15 result in focus of the optics on a label region of an optical disc”. The Action
16 argues that Morishima teaches this element; however, as discussed above in
17 support of claim 55, Morishima fails to teach the use of “a data profile”. In
18 particular, the Action argues that “focus control” taught in Morishima is the same
19 as “data profile” which as presented by the Applicant is not correct, since data
20 profile is directed to multiple locations on a disk and focus control is not.

21 The Action relies on Yonezawa for teaching applying an AC signal to an
22 actuator in rejecting claim 58; however, Morishima does not teach the elements of
23 claim 55, from which claim 58 depends. Therefore, Yonezawa provides no
24 assistance in light of Morishima as to claim 58. Since Morishima does not teach
25 the elements discussed above, the teaching of Yonezawa do not help.

1 Accordingly, a combination of Morishima and Yonezawa is improper. Applicant
2 respectfully requests that the §103 rejection of claim 58 be withdrawn.

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4 Claims 4-7, 10, 24-25, 38-40, 42, 58 rejected under 35 U.S.C. §103(a) as
5 being unpatentable over Morishima in view of U.S. Patent No. 6,813,226 to
6 Kadlec et al (Kadlec).

7 **Dependent claims 4-7 and 10** depend from claim 1 and therefore include
8 the element “generating a data profile, wherein the data profile is configured to
9 provide signals for operation of an actuator, wherein the signals result in focus of
10 the optics on a label region of an optical disc”. The Action argues that Morishima
11 teaches this element; however, as discussed above in support of claim 1,
12 Morishima fails to teach the use of “a data profile”. In particular, the Action
13 argues that “focus control” taught in Morishima is the same as “data profile”
14 which as presented by the Applicant is not correct, since data profile is directed to
15 multiple locations on a disk and focus control is not.

16 The Action relies on Kadlec for teaching “a calibration process of a focus
17 sum threshold in a focus servo system by driving an optical pick-up unit through a
18 focus position”; however, Morishima does not teach the elements of claim 1, from
19 which claims 4-7 and 10 depend. Therefore, Kadlec provides no assistance in
20 light of Morishima as to claims 4-7 and 10. Since Morishima does not teach the
21 elements discussed above, the teaching of Kadlec do not help. Accordingly, a
22 combination of Morishima and Kadlec is improper. Applicant respectfully
23 requests that the §103 rejection of claims 4-7 and 10 be withdrawn.

24 **Dependent claims 24 and 25** depend from claim 23 and therefore include
25 the element “generating a data look-up table, wherein the data look-up table

1 provides signal levels for operation of an actuator which result in focus of the
2 optics on a plurality of locations within a label region of an optical disc". The
3 Action argues that Morishima teaches this element; however, as discussed above
4 in support of claim 23, Morishima fails to teach the use of a "data lookup table".
5 In particular, the Action argues that "RAM" taught in Morishima includes a "data
6 lookup table" which as presented by the Applicant is not taught or suggested by
7 Morishima.

8 The Action relies on Kadlec for teaching "a calibration process of a focus
9 sum threshold in a focus servo system by driving an optical pick-up unit through a
10 focus position"; however, Morishima does not teach the elements of claim 35,
11 from which claims 24 and 25 depend. Therefore, Kadlec provides no assistance in
12 light of Morishima as to claims 24 and 25. Since Morishima does not teach the
13 elements discussed above, the teaching of Kadlec do not help. Accordingly, a
14 combination of Morishima and Kadlec is improper. Applicant respectfully
15 requests that the §103 rejection of claims 24 and 25 be withdrawn.

16 **Dependent claims 38-40 and 42** depend from claim 35 and therefore
17 include the element "logic configured for generating a data profile, wherein the
18 profile is configured to provide signals for operation of an actuator, wherein the
19 signals result in focus of the optics on a label region of an optical disc". The
20 Action argues that Morishima teaches this element; however, as discussed above
21 in support of claim 35, Morishima fails to teach the use of "a data profile". In
22 particular, the Action argues that "focus control" taught in Morishima is the same
23 as "data profile" which as presented by the Applicant is not correct, since data
24 profile is directed to multiple locations on a disk and focus control is not.
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1 The Action relies on Kadlec for teaching “a calibration process of a focus
2 sum threshold in a focus servo system by driving an optical pick-up unit through a
3 focus position”; however, Morishima does not teach the elements of claim 35,
4 from which claims 38-40 and 42 depend. Therefore, Kadlec provides no
5 assistance in light of Morishima as to claims 38-40 and 42. Since Morishima does
6 not teach the elements discussed above, the teaching of Kadlec do not help.
7 Accordingly, a combination of Morishima and Kadlec is improper. Applicant
8 respectfully requests that the §103 rejection of claims 38-40 and 42 be withdrawn.

9 **Dependent claim 58** depends from claim 55 and therefore includes the
10 element “means for generating a data profile, wherein the data profile is
11 configured to provide signals for operation of an actuator, wherein the signals
12 result in focus of the optics on a label region of an optical disc”. The Action
13 argues that Morishima teaches this element; however, as discussed above in
14 support of claim 55, Morishima fails to teach the use of “a data profile”. In
15 particular, the Action argues that “focus control” taught in Morishima is the same
16 as “data profile” which as presented by the Applicant is not correct, since data
17 profile is directed to multiple locations on a disk and focus control is not.

18 The Action relies on Kadlec for teaching “a calibration process of a focus
19 sum threshold in a focus servo system by driving an optical pick-up unit through a
20 focus position”; however, Morishima does not teach the elements of claim 55,
21 from which claim 58 depends. Therefore, Kadlec provides no assistance in light
22 of Morishima as to claim 58. Since Morishima does not teach the elements
23 discussed above, the teaching of Kadlec do not help. Accordingly, a combination
24 of Morishima and Kadlec is improper. Applicant respectfully requests that the
25 §103 rejection of claims 58 be withdrawn.

1 Claims 17-20, 50-52, 62, 63 are rejected under 35 U.S.C. §103(a) as being
2 unpatentable over Morishima in view of U.S. Patent No. 6,266,305 to Buchler
3 (Buchler).

4 **Dependent claims 17-20** depend from claim 1 and therefore include the
5 element “generating a data profile, wherein the data profile is configured to
6 provide signals for operation of an actuator, wherein the signals result in focus of
7 the optics on a label region of an optical disc”. The Action argues that Morishima
8 teaches this element; however, as discussed above in support of claim 1,
9 Morishima fails to teach the use of “a data profile”. In particular, the Action
10 argues that “focus control” taught in Morishima is the same as “data profile”
11 which as presented by the Applicant is not correct, since data profile is directed to
12 multiple locations on a disk and focus control is not.

13 The Action relies on Buchler for teaching “a control device for
14 compensating an error in the tracking and focusing of a laser beam onto optical
15 recording media based on the sum signal obtained from a four-quadrant detector,
16 wherein the control process uses an interpolation approach to obtain the desired
17 value by linear or non-linear interpolation of a small number of measured values”;
18 however, Morishima does not teach the elements of claim 1, from which claims
19 17-20 depend. Therefore, Buchler provides no assistance in light of Morishima as
20 to claims 17-20. Since Morishima does not teach the elements discussed above,
21 the teaching of Buchler do not help. Accordingly, a combination of Morishima
22 and Buchler is improper. Applicant respectfully requests that the §103 rejection of
23 claims 17-20 be withdrawn.

24 **Dependent claims 50-52** depend from claim 35 and therefore include the
25 element “logic configured for generating a data profile, wherein the profile is

1 configured to provide signals for operation of an actuator, wherein the signals
2 result in focus of the optics on a label region of an optical disc". The Action
3 argues that Morishima teaches this element; however, as discussed above in
4 support of claim 35, Morishima fails to teach the use of "a data profile". In
5 particular, the Action argues that "focus control" taught in Morishima is the same
6 as "data profile" which as presented by the Applicant is not correct, since data
7 profile is directed to multiple locations on a disk and focus control is not.

8 The Action relies on Buchler for teaching "a control device for
9 compensating an error in the tracking and focusing of a laser beam onto optical
10 recording media based on the sum signal obtained from a four-quadrant detector,
11 wherein the control process uses an interpolation approach to obtain the desired
12 value by linear or non-linear interpolation of a small number of measured values";
13 however, Morishima does not teach the elements of claim 35, from which claims
14 50-52 depend. Therefore, Buchler provides no assistance in light of Morishima as
15 to claims 50-52. Since Morishima does not teach the elements discussed above,
16 the teaching of Buchler do not help. Accordingly, a combination of Morishima
17 and Buchler is improper. Applicant respectfully requests that the §103 rejection of
18 claims 50-52 be withdrawn.

19 **Dependent claims 62 and 63** depend from claim 55 and therefore include
20 the element "means for generating a data profile, wherein the data profile is
21 configured to provide signals for operation of an actuator, wherein the signals
22 result in focus of the optics on a label region of an optical disc". The Action
23 argues that Morishima teaches this element; however, as discussed above in
24 support of claim 55, Morishima fails to teach the use of "a data profile". In
25 particular, the Action argues that "focus control" taught in Morishima is the same

1 as “data profile” which as presented by the Applicant is not correct, since data
2 profile is directed to multiple locations on a disk and focus control is not.

3 The Action relies on Buchler for teaching “a control device for
4 compensating an error in the tracking and focusing of a laser beam onto optical
5 recording media based on the sum signal obtained from a four-quadrant detector,
6 wherein the control process uses an interpolation approach to obtain the desired
7 value by linear or non-linear interpolation of a small number of measured values”;
8 however, Morishima does not teach the elements of claim 55, from which claims
9 62 and 63 depend. Therefore, Buchler provides no assistance in light of
10 Morishima as to claims 62 and 63. Since Morishima does not teach the elements
11 discussed above, the teaching of Buchler do not help. Accordingly, a combination
12 of Morishima and Buchler is improper. Applicant respectfully requests that the
13 §103 rejection of claims 62 and 63 be withdrawn.

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15 Claims 21, 34, 53 are rejected under 35 U.S.C. §103(a) as being
16 unpatentable over Morishima in view of U.S. Patent No. 4,182,563 to Biber et al.
17 (Biber).

18 **Dependent claim 21** depends from claim 1 and therefore includes the
19 element “generating a data profile, wherein the data profile is configured to
20 provide signals for operation of an actuator, wherein the signals result in focus of
21 the optics on a label region of an optical disc”. The Action argues that Morishima
22 teaches this element; however, as discussed above in support of claim 1,
23 Morishima fails to teach the use of “a data profile”. In particular, the Action
24 argues that “focus control” taught in Morishima is the same as “data profile”

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1 which as presented by the Applicant is not correct, since data profile is directed to
2 multiple locations on a disk and focus control is not.

3 The Action relies on Biber for teaching “a focus control system in which
4 the axial position of the lens is approximated by a piecewise function as
5 represented by the curve that fits within the limits of the focusing ranges of the
6 lens”; however, Morishima does not teach the elements of claim 1, from which
7 claim 21 depends. Therefore, Biber provides no assistance in light of Morishima
8 as to claim 21. Since Morishima does not teach the elements discussed above, the
9 teaching of Biber do not help. Accordingly, a combination of Morishima and
10 Biber is improper. Applicant respectfully requests that the §103 rejection of claim
11 21 be withdrawn.

12 **Dependent claims 34** depends from claim 23 and therefore include the
13 element “generating a data look-up table, wherein the data look-up table provides
14 signal levels for operation of an actuator which result in focus of the optics on a
15 plurality of locations within a label region of an optical disc”. The Action argues
16 that Morishima teaches this element; however, as discussed above in support of
17 claim 23, Morishima fails to teach the use of a “data lookup table”. In particular,
18 the Action argues that “RAM” taught in Morishima includes a “data lookup table”
19 which as presented by the Applicant is not taught or suggested by Morishima.

20 The Action relies on Biber for teaching “a focus control system in which
21 the axial position of the lens is approximated by a piecewise function as
22 represented by the curve that fits within the limits of the focusing ranges of the
23 lens”; however, Morishima does not teach the elements of claim 23, from which
24 claim 34 depends. Therefore, Buchler provides no assistance in light of
25 Morishima as to claim 34. Since Morishima does not teach the elements discussed

1 above, the teaching of Biber do not help. Accordingly, a combination of
2 Morishima and Biber is improper. Applicant respectfully requests that the §103
3 rejection of claim 34 be withdrawn.

4 **Dependent claim 53** depends from claim 35 and therefore includes the
5 element “logic configured for generating a data profile, wherein the profile is
6 configured to provide signals for operation of an actuator, wherein the signals
7 result in focus of the optics on a label region of an optical disc”. The Action
8 argues that Morishima teaches this element; however, as discussed above in
9 support of claim 35, Morishima fails to teach the use of “a data profile”. In
10 particular, the Action argues that “focus control” taught in Morishima is the same
11 as “data profile” which as presented by the Applicant is not correct, since data
12 profile is directed to multiple locations on a disk and focus control is not.

13 The Action relies on Biber for teaching “a focus control system in which
14 the axial position of the lens is approximated by a piecewise function as
15 represented by the curve that fits within the limits of the focusing ranges of the
16 lens”; however, Morishima does not teach the elements of claim 35, from which
17 claim 53 depends. Therefore, Buchler provides no assistance in light of
18 Morishima as to claim 53. Since Morishima does not teach the elements discussed
19 above, the teaching of Biber do not help. Accordingly, a combination of
20 Morishima and Biber is improper. Applicant respectfully requests that the §103
21 rejection of claim 53 be withdrawn.

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2 **Allowable Subject Matter**

3 Claims 11-15, 22, 27, 29-32, 44-48, 54, 59-60 are objected to as being
4 dependent upon a rejected base claim, but would be allowable if rewritten in
5 independent form including all of the limitations of the base claim and any
6 intervening claims.

7 Claim 11 has been amended to include the elements of claim 1 from which
8 it depends. Claims 12, 13 and 14 depend on claim 11.

9 Claim 15 has been amended to include the elements of claim 1 from which
10 it depends.

11 Claim 22 has been amended to include the elements of claims 1 and 21
12 from which it depends.

13 Claim 27 has been amended to include the elements of claim 23 from
14 which it depends.

15 Claim 29 has been amended to include the elements of claim 23 from
16 which it depends. Claims 30 and 31 depend on claim 29.

17 Claim 32 has been amended to include the elements of claim 23 from
18 which it depends.

19 Claim 44 has been amended to include the elements of claim 35 from
20 which it depends. Claims 45, 46 and 47 depend on claim 44.

21 Claim 48 has been amended to include the elements of claim 35 from
22 which it depends.

23 Claim 54 has been amended to include the elements of claims 35 and 53
24 from which it depends.

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1 Claim 59 has been amended to include the elements of claim 55 from
2 which it depends.

3 Claim 60 has been amended to include the elements of claim 55 from
4 which it depends.

5 Applicant appreciate the allowance of claims 11-15, 22, 27, 29-32, 44-48,
6 54, 59-60.

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1 **CONCLUSION**

2 All pending claims 1-63 are in condition for allowance. Applicant
3 respectfully requests reconsideration and prompt issuance of the subject
4 application. If any issues remain that prevent issuance of this application, the
5 Examiner is urged to contact the undersigned attorney before issuing a subsequent
6 Action.

7
8 Dated: 10/10/05

9 Respectfully Submitted,

10 

11 By:

12 Emmanuel A. Rivera
13 Reg. No. 45,760
14 (509) 324-9256